TRAFFIC SIGNAL NOTES:

1.) THE OFF–PEAK PROGRAM SHALL ALSO RUN ON WEEKENDS, WHEN NOT IN FLASH MODE.

2.) MINIMUM RECALL FOR øA SHALL BE 20 SECONDS.

3.) SIGNAL EQUIPMENT LOCATION FIELD VERIFIED BY BURLINGTON DEPARTMENT OF PUBLIC WORKS.

4.) EXISTING PULLBOXES, STRAIN POLES, SIGNAL HEADS, AND PEDESTRIAN EQUIPMENT SHALL BE MAINTAINED UNLESS OTHERWISE NOTED.

5.) THE CONTROL CABINET SHALL BE A 336 DOUBLE DOOR CABINET WITH AN ALUMINUM 8 TO 12" HIGH ADAPTER ATTACHED TO A CEMENT FOUNDATION, 24"WIDE, 20" DEEP, AND 18" ABOVE THE GROUND LEVEL.

6.) THE CABINET SHALL BE ORIENTED TO ALLOW SIMULTANEOUS VIEWING OF THE SIGNALS WHILE PROGRAMMING OR MAINTAINING THE CONTROLLER

7.) SEE SHEET 150 FOR ADDITION TRAFFIC RELATED NOTES.

8.) PULLBOXES 1, 9, 11, AND 13 SHALL BE AT THE FRONT OF THE SIDEWALK AND FLUSH WITH ITS SURFACE. SEE STANDARD E–173.

9.) SEE SHEET 109 FOR UNDERGROUND ELECTRIC SERVICE CONNECTIONS.

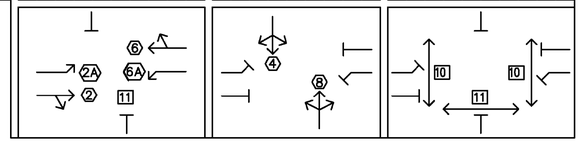
VEHICLE LOOP DETECTORS

LANE	LOOP NO.	SIZE	NO.TURNS	LOOP TYPE	CALL ø	INDUCTANCE CALC.	INDUCTANCE ACT.	RESISTANCE CALC.	RESISTANCE ACT.	LEAKAGE TO GRND.	LOCKING MEMORY
WB LT LANE	1,2,2A	6'–OCT	3	CALL	ø A						
WB THRU LANE	3,4,4A	6'–OCT	3	CALL	ø A						
WB THRU LANE	5	6'–OCT	4	EXT/CALL	ø A						
EB LT LANE	6,6A,7	6'–OCT	3	CALL	ø A						
EB THRU LANE	8,8A,9	6'–OCT	3	CALL	ø A						
EB THRU LANE	10	6'–OCT	4	EXT/CALL	ø A						
NB ALL	11,12	6'–OCT	3	EXT/CALL	ø B						
SB ALL	13	6'–OCT	3	EXT/CALL	ø B						

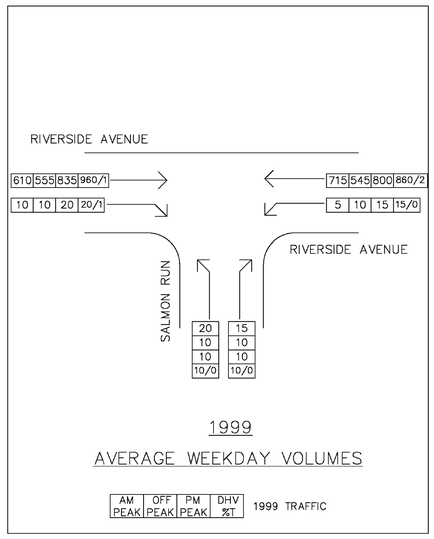
FOUNDATION LOCATIONS

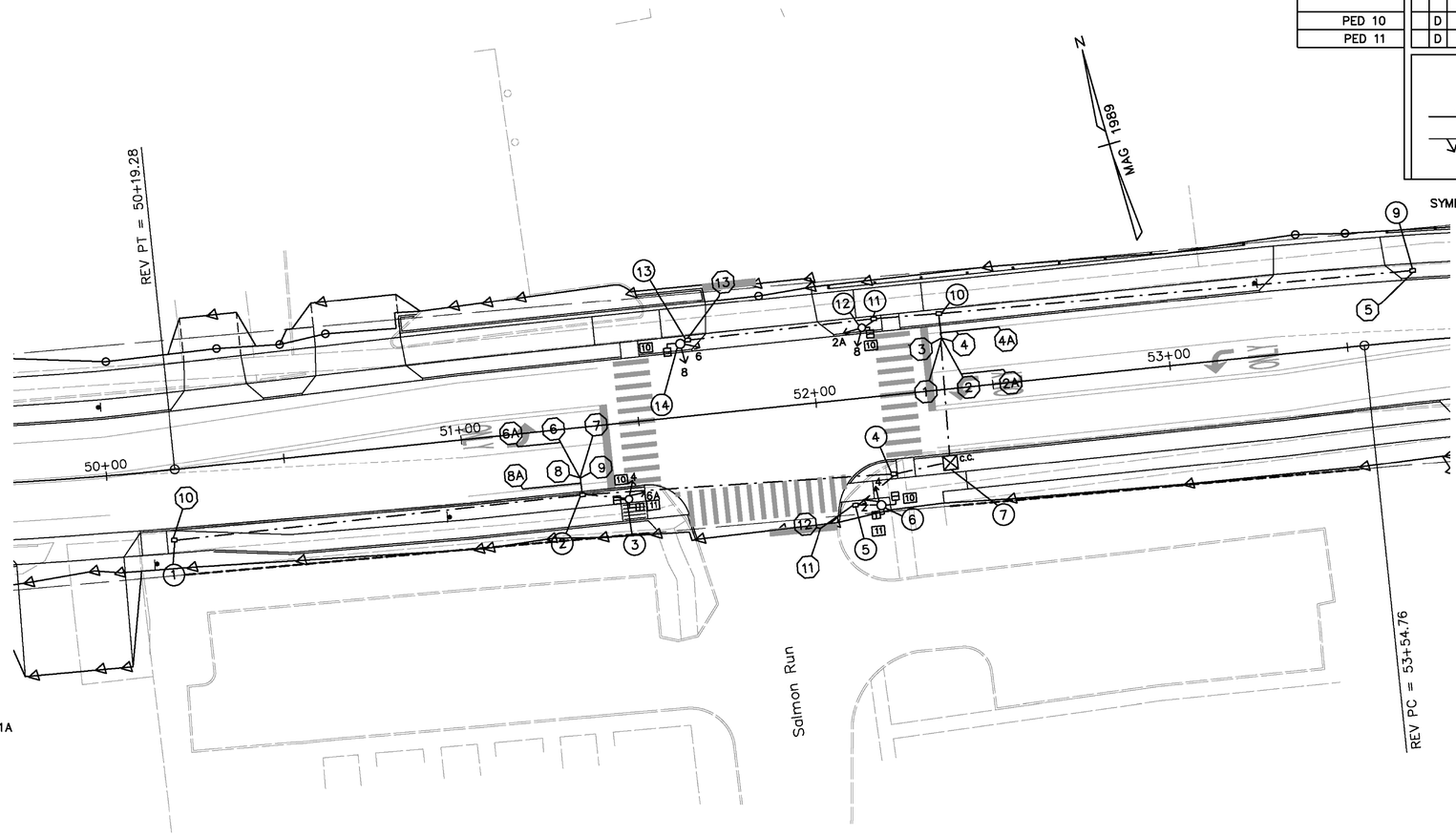
LOC.	TYPE	STATION	OFFSET	NOTES
1	PB	50+17	20' RT	12"X18" CONCRETE PULLBOX W/ STEEL COVER
2	PB	51+31	19' RT	12"X18" CONCRETE PULLBOX W/ STEEL COVER
3	SP	51+45	21' RT	TRAFFIC SIGNAL POLE WITH 2 PED. SIGNALS AT 8' MOUNTING HEIGHT, PLUS SIGN AND PUSH BUTTON ASSEMBLY
4	PB	52+20	22' RT	12"X18" CONCRETE PULLBOX W/ STEEL COVER
~~5~~	~~PB~~	~~52+09~~	~~30' RT~~	~~12"X18" CONCRETE PULLBOX W/ STEEL COVER~~
6	SP	52+15	31' RT	TRAFFIC SIGNAL POLE WITH 2 PED. SIGNALS AT 8' MOUNTING HEIGHT, PLUS SIGN AND PUSH BUTTON ASSEMBLY
7	CC	52+37	21' RT	CONTROLLER+CABINET
8	--	--	--	INTENIONALLY LEFT BLANK
9	PB	53+70 71	21' LT	12"X18" CONCRETE PULLBOX W/ STEEL COVER
~~10~~	~~PB~~	~~52+37~~	~~21' LT~~	~~12"X18" CONCRETE PULLBOX W/ STEEL COVER~~
~~11~~	~~PB~~	~~52+18~~	~~21' LT~~	~~12"X18" CONCRETE PULLBOX W/ STEEL COVER~~
12	SP	52+15	20' LT	TRAFFIC SIGNAL PEDESTAL WITH PED. SIGNAL AT 8' MOUNTING HEIGHT, PLUS SIGN AND PUSH BUTTON ASSEMBLY
13	PB	51+67	20' LT	12"X18" CONCRETE PULLBOX W/ STEEL COVER
14	SP	51+64	20' LT	TRAFFIC SIGNAL POLE WITH PED. SIGNAL AT 8' MOUNTING HEIGHT, PLUS SIGN AND PUSH BUTTON ASSEMBLY WITH TYPE B2 LUMINAIRE

		PHASE A (DWELL) R/W	PHASE A (DWELL) CLEAR TO ø B	PHASE A (DWELL) CLEAR TO ø C	PHASE B R/W	PHASE B CLEAR TO ø A	PHASE B CLEAR TO ø C	PHASE C (excl. PED) CLEAR TO ø A	FLASH 9 PM – 6:30 AM
AM PEAK 700–900AM	INIT. INT.	–			3				
	VEH. EXT.	3			3				
	MIN GR.	20	4	4	10	3	3	7	8
	MAX 1	50			15				
	MAX 2	–			–				
OFF PEAK REST OF DAY	INIT. INT	5			3				
	VEH. EXT.	3			3				
	MIN GR.	20	4	4	10	3	3	7	8
	MAX 1	50			15				
	MAX 2	–			–				
PM PEAK 300–600PM	INIT. INT.	–			3				
	VEH. EXT.	3			3				
	MIN GR.	20	4	4	10	3	3	7	8
	MAX 1	60			–				
	MAX 2	–			15				
SIGNAL 2,2A		G	Y	R	R	R	R	R R	Y
SIGNAL 4,8		R	R	R	G	Y	R	R R	R
SIGNAL 6,6A		G	Y	R	R	R	R	R R	Y
					G				
PED 10		D	D	D	D	D	D	W F	B
PED 11		D	D	D	D	D	D	W F	B



SYMBOLS: W = STEADY WALK
F = FLASHING DON'T WALK
D = STEADY DON'T WALK
B = BLANK
⑥ = TRAFFIC SIGNAL FACE
[6] = PED SIGNAL FACE
⟷ = EXCL. PED. PHASE





SIGNAL HEADS
12" LENSES, LED LAMPS

2,2A,4,6,6A,8

ONE–SECTION L.E.D. 16"X18" SYMBOLIC/COUNT–DOWN PEDESTRIAN HEADS GELCORE MODEL PS7–CFC9–01A OR APPROVED EQUIVALENT

A

TO BE PLACED ADJACENT TO SIGNAL HEADS 2A,6A.

ELECTRICAL CONDUIT 3" PVC	
FROM	TO
PB (1)	PB (2)
PB (2)	SP (3)
PB (2)	PB (4)
PB (4)	CC (7)
PB (5)	PB (4)
PB (5)	SP (6)
CC (7)	PB (10)
PB (9)	PB (10)
PB (10)	PB (11)
PB (11)	SP (12)
PB (11)	PB (13)
PB (13)	SP (14)
POWER SOURCE	SL–79
NOTE: 6" ELECTRICAL CONDUIT SLEEVES REQUIRED FOR THE FOLLOWING RUNS:	
PB (2)	PB (4)
~~PB (4)~~	~~CC (7)~~
PB (11)	PB (13)

51+52 - 52+12 RT 62'

51+68 - 52+08 LT 39'
52+37 LT-RT 41'

LEGEND
ELECTRICAL CONDUIT
PROPOSED PULLBOX/JUNCTION BOX
PROPOSED PEDESTRIAN POLE
PROPOSED TRAFFIC SIGNAL POLE
TRAFFIC SIGNAL CONTROLLER

DATUM
VERTICAL NGVD 1929
HORIZONTAL N/A

SCALE IN FEET
0 20

REV. 06–23–06

TRAFFIC SIGNAL PLAN

SURVEYED BY CLD DATE 7/89
DRAWN BY KRD/BF DATE 6/03
SQUAD LEADER JAW
DESIGN FILE NO. 89–108
IPARM FILE DATE PLOTTED
PROJ. NAME BURLINGTON
PROJ. NO. MEGC 5000(15)
SHEET 155 OF 252 SHEETS